

PATENT

Atty. Dkt. No. STL2801

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****RECEIVED  
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FEB 26 2004

In re Application of:  
MacLeod, et al.

Serial No.: 09/489,594

Confirmation No.: 6026

Filed: January 21, 2000

For: APPARATUS AND METHOD FOR  
FORMING A ROTATABLE FERROFLUIDIC  
SEAL BETWEEN A SHAFT AND A HUB

Group Art Unit: 3676

Examiner: Vishal A. Patel

**OFFICIAL**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**CERTIFICATE OF FACSIMILE  
TRANSMISSION UNDER 37 CFR 1.8**I hereby certify that this correspondence and the documents  
referred to as attached therein are being facsimile transmitted to  
the U.S. Patent and Trademark Office to the fax number  
indicated by the Examiner, namely, fax number 703-872-9326  
to the attention of the named Examiner, on the date below.2-26-04  
DateChristina Mendez  
Signature**RESPONSE TO OFFICE ACTION DATED NOVEMBER 28, 2003**

In response to the Office Action dated November 28, 2003, having a shortened statutory period for response set to expire on February 28, 2004, please enter this response and reconsider the claims pending in the application for reasons discussed below. Although Applicant believes that no additional fees are due in connection with this response, the Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/STL2801, for any fees, including extension of time fees or excess claim fees, required to make this response timely and acceptable to the Office.

**Amendments to the Claims** begin on page 2 of this paper, and the **Remarks** begin on page 7.